



Before children can understand a thing, they need experience: seeing, touching, hearing, tasting, smelling, choosing, arranging, putting things together, taking things apart. Children need to experiment with real things available in their milieu. In India most science is learnt by rote – by mugging up definitions and formulae and spitting them out in the exams. Very few children dirty their hands on making simple models. The Government of India launched the Make in India campaign two years back. They soon realized that the slogan will become a reality only when children start learning science in schools through actual experiments and projects. Now the Government of India is opening hundreds of Atal Tinkering Labs in schools.

For close to 30 years I have been designing and making low-cost science teaching aids to make science fun for children. They include simple pumps, electric motors and generators. Children love toys which spin, fly, move and make sound. These toys are made with simple materials often with discarded stuff – old plastic bottles, tetrapaks, newspapers, straws, old pens etc.

I WOULD BE GIVING A LECTURE DEMONSTRATION FOR AN HOUR FOLLOWED BY QUESTIONS.

We have documented over 1400 such toys in photographs and short 1-minute videos. Today there are 7600, short videos on Toys from Trash in 20 languages on our website www.arvindguptatoys.com

In seven years the viewership has surpassed 50-million. I earnestly feel that our work should help the poorest children on earth. We sincerely believe that only when all the children of the world make their own toys and play will there be peace on earth.

Arvind Gupta Wiki
https://en.wikipedia.org/wiki/Arvind_Gupta

Arvind Gupta TED Talk
http://www.ted.com/talks/arvind_gupta_turning_trash_into_toys_for_learning?language=en

